Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/08/2018 11:09 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	05/12/2018 04:21 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124675	-1	1.57	124708	1.56
Blue	F	SSC	125000	123772	-1	2.03	124392	2.02
Blue	E	FITC	15760	15372	-3	2.96	330	22.43
Blue	D	PE	25880	25151	-3	2.03	546	16.60
Blue	B	PerCP-Cy5-5	34075	33754	-1	4.15	1028	22.24
Blue	A	PE-Cy7	22776	23165	1	7.28	560	44.88
Red	C	APC	42488	41295	-3	2.80	1561	13.45
Red	A	APC-Cy7	24478	24001	-2	2.87	826	13.34
Violet	B	V450	6304	6083	-4	4.41	347	17.12
Violet	A	V500	26005	24679	-6	3.97	581	13.27

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20591	7.11	606	9	N/A	N/A	Pass
Blue	F	SSC	56295	1.41	575	20	N/A	N/A	Pass
Blue	E	FITC	58	74.13	561	5	0.0159	190	Pass
Blue	D	PE	115	55.37	554	5	0.1252	258	Pass
Blue	B	PerCP-Cy5-5	197	54.29	653	6	0.0078	86	Pass
Blue	A	PE-Cy7	111	107.49	708	11	0.0091	17	Pass
Red	C	APC	368	28.51	605	5	0.0196	147	Pass
Red	A	APC-Cy7	201	29.48	576	5	0.0044	951	Pass
Violet	B	V450	57	77.66	497	8	0.0313	2764	Pass
Violet	A	V500	87	47.88	513	7	0.0136	1431	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.93	-31.37	0.91
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.39
Red	16.85	13.60 - 20.40	N/A	N/A	31.37	31.86	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 14164

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments